BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	1500000.00

Name of Work: Detailed Estimate for the work of Providing Asphalting to Balance cross roads of Mathrulayout in ward no-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no143, PWD SR 2018-19)	cum							
			1	70.00	1.00	0.30	21.00		
			1	200.00	1.00	0.25	50.00		
			1	150.00	1.00	0.30	45.00		
	berm cutting		1	80.00	1.00	0.10	8.00		
			1	30.00	1.00	0.10	3.00		
							127.00	**137.80**	**17501.00**
	Basic Rate	130.00							
	Area Weightage 6%	7.80							
	Grand Total	137.80							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 136 (SR 2018-19)	cum							
			Vide Item No. 1				**127.00**	**87.56**	**11120.00**
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)/ PWD SR 2018-19	Cum							
	sanitary cutting		1	70.00	1.00	0.15	10.50		
			1	200.00	1.00	0.15	30.00		
			1	150.00	1.00	0.15	22.50		
							63.00	**5408.12**	**340712.00**
	Basic Rate	5102.00							
	Area Weightage 6%	306.12							
	Grand Total	5408.12							
4	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 175/ Item No. 22.6.1 SR 2018-19	Cum							
	for cc road		1	70.00	3.00	0.15	31.50		
	for sanitary cutting		1	200.00	2.70	0.10	54.00		
			1	150.00	3.00	0.15	67.50		
							153.00	**5210.96**	**797277.00**
	Basic Rate	4916.00							
	Area Weightage 6%	294.96							

S No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Grand Total	5210.96							
5	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 176 Item No 22.7 SR 2018-19	Sqm							
			1	70.00	3.00		210.00		
			1	150.00	3.00		450.00		
							660.00	**72.08**	**47573.00**
	Basic Rate	68.00							
	Area Weightage 6%	4.08							
	Grand Total	72.08							
6	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 176 SR 2018-19	Rmt							
	for cc road		22	3.00			66.00		
			53	3.00			159.00		
							225.00	**143.10**	**32198.00**
	Basic Rate	135.00							
	Area Weightage 6%	8.10							
	Grand Total	143.10							
7	**Cleaning the existing black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per Specifications. (P.No.158 & I.No.21.2)	Sqm							
			1	40.00	6.00		240.00		
							240.00	5.30	**1272.00**
	Basic Rate	5.00							
	Area Weightage 6%	0.30							
	Grand Total	5.30							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB 500-7:Providing and **applying tack coat with bitumen hot emulsion** using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.158 & I.No.21.7)								
		Sqm							
			1	40.00	6.00		240.00		
							240.00	14.84	**3562.00**
	Basic Rate	14.00							
	Area Weightage 6%	0.84							
	Grand Total	14.84							
9	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.507 of MORTH V revision (P.No.164 Item No.21.22.6)								

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum							
			1	40.00	6.00	0.040	9.60		
	Basic Rate	8472.00					**9.60**	8980.32	**86211.00**
	Area Weightage 6%	508.32							
	Grand Total	8980.32							
10	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018.						**Sub Total**		**1337426.00**
									160491.12
11	Miscellaneous charges								
									2083.00
								Total	**1500000.00**

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramajeenah
Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

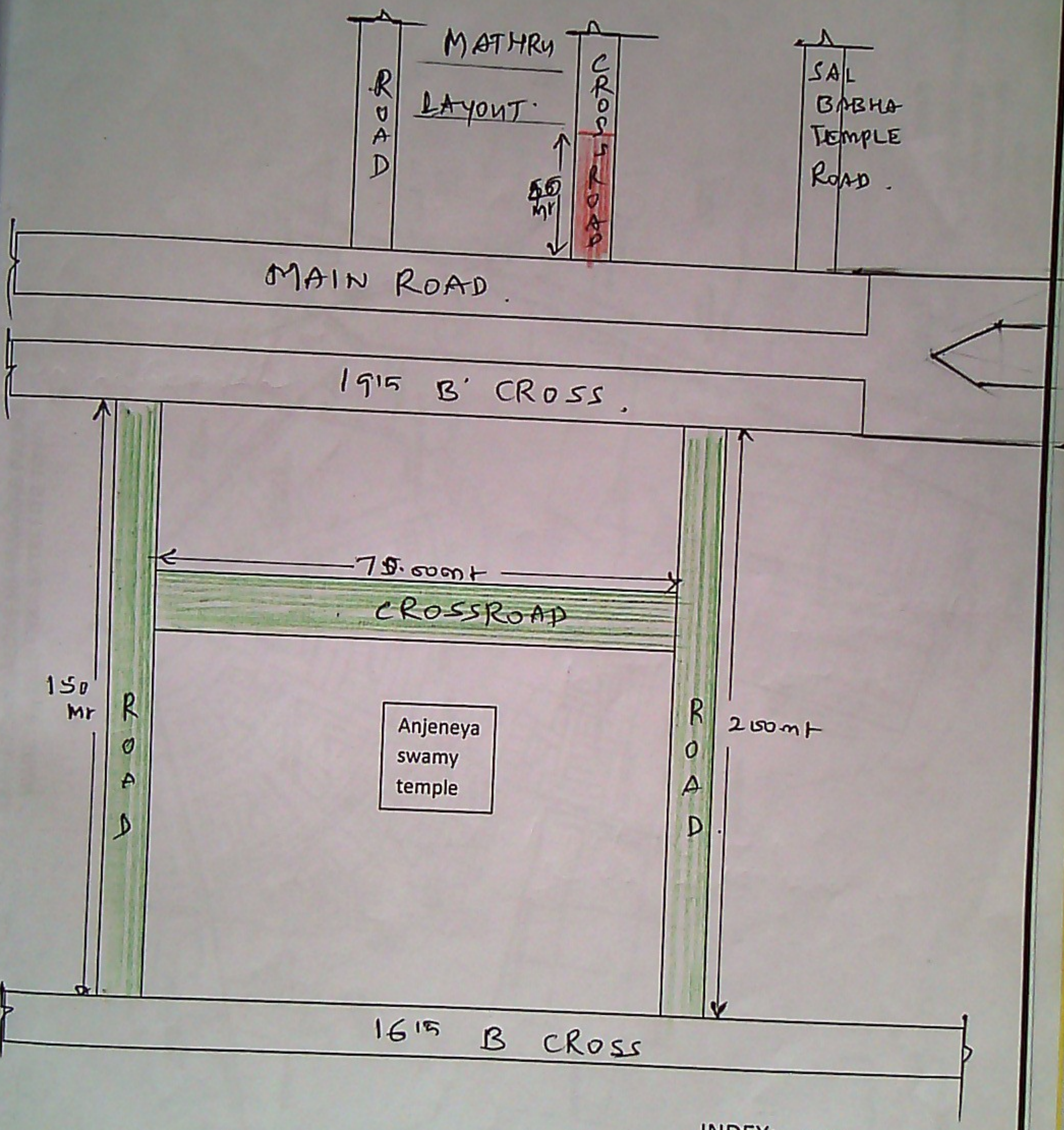
APPROVED DATA RATE
TO BE ENCLOSED

Technical Sanction
Accorded For R.S.I.S. Works only
Head of A/C [illegible]
CER NO [illegible] **Dt.** 30.11.18

TA | — **CE (YNK)**

NAME OF WORK:

Providing Asphalting to balance cross roads of Mathru layout in ward No-04.



INDEX: PROPOSED.

C/C ROAD

ASPHALT ROAD

A.E. Ramanjeenaik

A.E.E.

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

150 - YELAHANKA AC

N

208- SFS COLONY
YESHWANTPURA ROAD
PUTTENHALLI ROAD
WAP STADIUM
5TH B CROSS
YESHWANTPURA ROAD
BWSSB OFFICE
EAST COLONY
DODDABALLAPURA RD
13TH A MAIN
YALAHANKA SETELLITE TOWN
8TH CROSS
POLICE QUARTERS
BELLARY ROAD
RAILWAY LINE
NEHRU NAGAR
SUB REGISTRAR
BWSSB TREATMENT PLANT
16TH B CROSS
AMBEDKAR COLONY
CHIKKA BOMMASANDRA
JANATA COLONY
ALLALASANDRA KERE
2ND MAIN
ALLALASANDRA
VIDYASHILP ACADAMY SCHOOL
MANTRI TOWN SHIP
SHOBHA ULTIMA VIL
EXI CMC WARD BND
GKVK CAMPUS
26TH MAIN
JUDICIAL LAYOUT
20TH CROSS
14TH MAIN
EXI CMC WARD BND / GKVK CAMPUS CMPD
JUDICIAL COLONY
MAIN ROAD GKVK CAPUS CMPD
GKVK CAMPUS ROAD
P M Enclave
UDAYA LAYOUT
2ND MAIN
7TH B MAIN
15TH B CROSS
PARK
MOTHER DAIRY
BANDA NAGAR
AMPUS

Ramachandra

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD